ENGLISH

features of your new air conditioner

- **Cool Summer Offer**

  On those hot sweltering summer days and long restless nights, there is no better escape from the heat than the cool comforts of home. Your new air conditioner brings an end to exhausting hot summer days and lets you rest. This summer, beat the heat with your own air conditioner.

- **Cost Efficient System**

  Your new air conditioner not only provides maximum cooling power in the summer, but can also be an efficient heating method in the winter with the advanced “Heat pump” system. This technology is up to 300% more efficient than electrical heating, so you can further reduce its running cost. Now, meet year-round needs with one air conditioner.

- **A Look for Everywhere**

  The elegant and harmonious design gives priority to the esthetics of your space and complements any of your existing interior décor. With its soft color and rounded-edge shape, the new air conditioner adds class to any room. Enjoy what your air conditioner offers both functionally and esthetically.

- **mpi**zone

  mpizone function generates hydrogen(H) and oxygen(O_2) to attack undesirable air contaminants such as bacteria, pollen, and odor. It makes you breathe better as if you were staying around waterfalls, ocean surf, rivers and mountains.

- **good’sleep function**

  good’sleep mode allows you to set a comfortable sleep temperature while saving energy and having sound sleep.

SAMSUNG

For easy future reference write the model and serial number down. You will find your model number on the bottom of the air conditioner.

Model #____________

Serial #____________

safety information

To prevent electric shock, disconnect the power before servicing, cleaning, and installing the air conditioner.

SAFETY INFORMATION

Before using your new air conditioner, please read this manual thoroughly to ensure that you know how to safely and efficiently operate the extensive features and functions of your new appliance.

Because the following operating instructions cover various models, the characteristics of your air conditioner may differ slightly from those described in this manual. If you have any questions, call your nearest contact center or find help and information online at www.samsung.com.

Important safety symbols and precautions:

⚠ WARNING	Hazards or unsafe practices that may result in **severe personal injury or death.**
⚠ CAUTION	Hazards or unsafe practices that may result in **minor personal injury or property damage.**
⚠ CAUTION	To reduce the risk of fire, explosion, electric shock, or personal injury when using your air conditioner, follow these basic safety precautions:

⊘	Do NOT attempt.
🛠	Do NOT disassemble.
✋	Do NOT touch.
★	Follow directions carefully.
🔌	Unplug the power plug from the wall socket.
⏚	Make sure the machine is grounded to prevent electric shock.
☎	Call the contact center for help.
✎	Note.

These warning signs are here to prevent injury to you and others.
Please follow them carefully.
After reading this section, keep it in a safe place for future reference.

safety information

SEVERE WARNING SIGNS

Do not place the air conditioner near hazardous substances or equipment that releases free flames to avoid fire, explosions or injuries.

- Potential risk of fire hazard or explosion.

Do not install the outdoor unit at an unstable place or elevated surface where there is potential risk of falling.

- If the outdoor unit falls, it may cause personal injury or loss of property.

Failure or damage may occur if any changes or modification that is not stated in the installation manual was performed. In this case, user will be responsible for the repair expenses.

Install the air conditioner away from direct exposure to sunlight, heating apparatus, and humid places.

- Hang curtains on windows to boost cooling efficiency and to avoid the risk of electric shock.

Do not cut the power plug and connect to a different power cable.

Do not yank the power cable and touch the power plug with hands.

- Potential risk of fire or electric shock.

Never use a damaged or dusted power plug, power cable, or loosened power receptacle.

- Potential risk of fire or electric shock.

Install an exclusive circuit breaker and short-circuit breaker for the air conditioner.

- Potential risk of electric shock or fire.

Do not insert anything such as fingers or branches into the air conditioner vents while the air conditioner is running.

- Keep the children away from the air conditioner to prevent them from putting their finger on the air conditioner. Potential risk of personal injury.

Ensure no water gets into the air conditioner.

- Potential risk or electric shock.
- If the water gets into the air conditioner, stop and unplug the power source immediately.

Turn off the air conditioner using the provided remote control or control accessory (if provided). Do not unplug to turn off the unit (unless there is an immediate danger).

Do not run the air conditioner for an extended period of time in a room with the door closed or with babies, elderly or disabled people.

- Open the door or windows to ventilate your room at least once an hour to prevent oxygen shortage.

The air conditioner is composed of moving parts. Keep children away from the unit to avoid physical injury.

Make sure that children take precautions against access to the air conditioner and they do not play with the unit.

Do not clean the interior of air conditioner on your own.

- You may damage the parts which can cause electric shock or fire.
- Consult contact center for cleaning the interior of the air conditioner.

Do not connect the air conditioner with heating apparatus or attempt to disassemble, remodel or repair it yourself.

- Potential risk of malfunction, electric shock or fire. If repairs are needed, consult the contact center.

Consult the place of purchase or contact center to install, reinstall or disassemble the air conditioner.

- Improper installation carries a risk of unit malfunction, water leakage, electric shock or fire.
- If installing in specialty areas, such as a factory complex or saline coastal area, consult the place of purchase or contact center for specific installation details.
- The units must be installed according to distances declared, in order to permit accessibility from each side, either to guarantee correct operation of maintenance or repairing products. The unit's parts must be reachable and removable completely under safety condition (for people or things).

Consult a dealer regarding the appropriate measures to prevent the allowable concentration from being exceeded.

- If the refrigerant leaks, and cause the concentration limit to be exceeded, hazards due to lack of oxygen in the room may result.

If the indoor unit gets wet, turn the power off immediately and call your nearest contact center.

- Potential risk of fire or electric shock.

Always make sure that the power supply is compliant with current safety standards. Always install the air conditioner in compliance with current local safety standards.

Verify that the voltage and frequency of the power supply comply with the specifications and that the installed power is sufficient to ensure the operation of any other domestic appliance connected to the same electric lines.

Use a rated circuit breaker only.

- Never use steel wires or copper wires as a circuit breaker. It may cause fire or unit malfunctions.

Do not put undue stress or place heavy object on the power cable.

Do not bend the power cable excessively.

- Potential risk of fire or electric shock.

To protect the product from water and possible shock, you should keep the power cable and the connection cord of the indoor and outdoor units in the protection tube.

When opening or closing the front panel, use a stable stool and watch your steps carefully.

Disconnect the air conditioner from power supply before it is repaired or disassembled.

Clean the air conditioner after the inner fan stops operating.

- Potential risk of injury or electric shock.

safety information

SEVERE WARNING SIGNS (CONT'D)

Use a receptacle that has a ground terminal. The receptacle must be used exclusively for the air conditioner.

- Improper electrical grounding may cause electric shock or fire.

Be sure to ground the unit. Do not connect the ground wire to gas or water pipes, lighting rods, or telephone grounding lines.

- If the unit is not properly grounded, electric shock may result.

If you smell burning plastic, hear strange sounds, or see smoke coming from the unit, unplug the air conditioner immediately and call a contact center.

- Potential risk of fire or electric shock.

CAUTION SIGNS

Do not block or place items in front of the air conditioner. Do not step, hang onto, or place heavy items on the air conditioner.

- Potential risk of personal injury.

If failure or damage occurs on the conditions of improper use not followed by the installation manual, there will be an extra labor charge for installing and construction.

- Potential risk of malfunction, electric shock or fire if repairs or installations are attempted by a non-qualified service technician.

Do not spray flammable gases such as insecticide near the air conditioner.

- Potential risk of electric shock, fire or unit malfunction.

Do not open the front grille during operation.

- Potential risk of electric shock or unit malfunction.

Cool air should not flow directly towards people, pets, and plants.

- It is harmful to your health, pets, and plants.

Do not drink drain water coming out of the air conditioner.

- Potential risk of health hazard.

Do not allow children to climb on the air conditioner.

Do not use the air conditioner as a cooling precision instrument for food, pets, plants, cosmetics or machinery.

Do not pull or give excessive shock to the air conditioner.

- Potential risk of fire, or unit malfunction and there are risk of personal injury because unit may fall down.

Do not spray water directly on the air conditioner or use benzene, thinner or alcohol to clean the surface of the unit.

- Potential risk of electric shock or fire.
- Potential risk of damage to the air conditioner.

Do not place any objects, especially containers with liquid.

Do not touch the pipe connected to the air conditioner.

Install the indoor unit away from lighting apparatus using the ballast.

- If you use the wireless remote control, reception error may occur due to the ballast of the lighting apparatus.

Install the outdoor unit where operating noise and vibration will not disturb your neighbor and in a well-ventilated area with no obstacle.

- Potential risk of malfunction.
- Operating noise may disturb your neighbor.

Make sure that there are no obstacles or covers that block the air conditioner.

Allow sufficient space for air circulation.

- Insufficient ventilation may result in poor performance.

If the power cable is damaged, the manufacturer or a qualified service technician must replace it.

If a power outage occurs while the air conditioner is working, turn off the power source immediately.

Max current is measured according to IEC standard for safety and current is measured according to ISO standard for energy efficiency.

Check for damage on delivery. If damaged, do not install the air conditioner and call the place of purchase immediately.

Keep indoor temperatures stable and not extremely cold, especially where there are children, elderly or disabled people.

The packaging material and used batteries of the remote controller (optional) must be disposed of in accordance with the national standards.

The refrigerant used in the air conditioner must be treated as chemical waste. Dispose the refrigerant following national standards.

Have a qualified service technician install the air conditioner and perform a trial operation.

Firmly connect the drain hose to the air conditioner for proper water drainage.

Check for damages on the outdoor unit installation pad at least once a year.

- Potential risk of personal injury or property loss.

When using a wireless remote control, the distance should not be more than 7 meters from the air conditioner.

If the remote control is not used for a long period of time, remove the batteries to prevent leakage of electrolyte.

When cleaning the outdoor unit, touch the heat exchanger radiator fins with extreme care.

- Wearing thick gloves can protect your hands.

Make sure that the condensed water dripping from the drain hose runs out properly and safely.

The appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety: Young children should be supervised to ensure that they do not play with the appliance.

safety information

⚠ CAUTION SIGNS (CONT'D)

Inspect the condition, electric connections, pipes and external case of the air conditioner regularly by a qualified service technician.

Do not open doors and windows in the room being cooled during operation unless necessary.

Do not block the air conditioner vents. If objects block the air flow, it may cause unit malfunction or poor performance.

Make sure there are no obstacles under the indoor unit.

- Potential risk of fire or loss of property.

The air conditioner should be used only for the applications for which it has been designed: the indoor unit is not suitable to be installed in areas used for laundry.

Our units must be installed in compliance with the spaces indicated in the installation manual to ensure either accessibility from both sides or ability to perform routine maintenance and repairs. The units' components must be accessible and that can be disassembled in conditions of complete safety either for people or things.

For this reason, where it is not observed as indicated into the Installation Manual, the cost necessary to reach and repair the unit (in safety, as required by current regulations in force) with slings, trucks, scaffolding or any other means of elevation won't be considered in-warranty and charged to end user.

Ensure the off-on and protection switches are properly installed.

Do not use the air conditioner if damaged. If problems occur, immediately stop operation and disconnect the plug from the power supply.

If the air conditioner will not be used for an extended period of time (for example, over several months), unplug the power from the wall.

Call the place of purchase or a contact center if repairs are needed.

- Potential risk of fire or electric shock if disassembly or repairs are attempted by a non-qualified service technician.

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This product has been determined to be in compliance with the Low Voltage Directive (2006/95/EC), and the Electromagnetic Compatibility Directive (2004/108/EEC) of the European Union.

Correct Disposal of This Product (Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

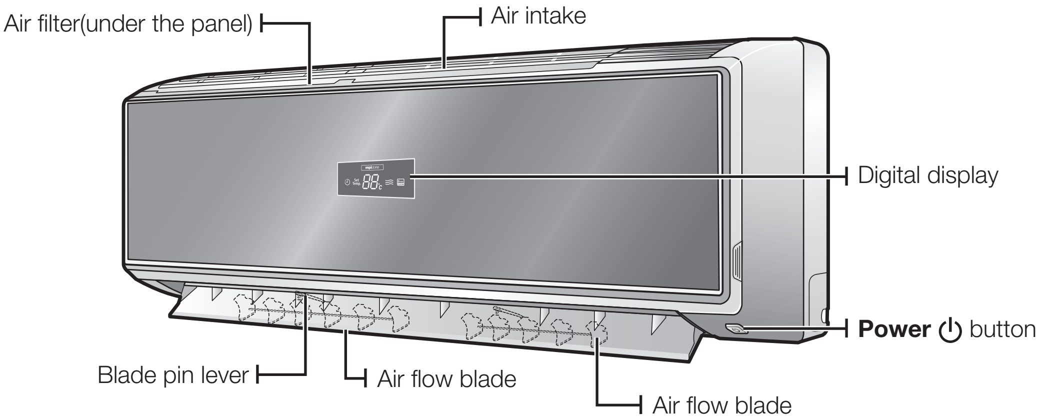
viewing your air conditioner

Congratulations on the purchase of the air conditioner. We hope you enjoy the features of your air conditioner and stay cool or warm with optimal efficiency.
Please read the user manual to get started and to make the best use of the air conditioner.

CHECKING THE INDOOR UNIT AND DIGITAL DISPLAY

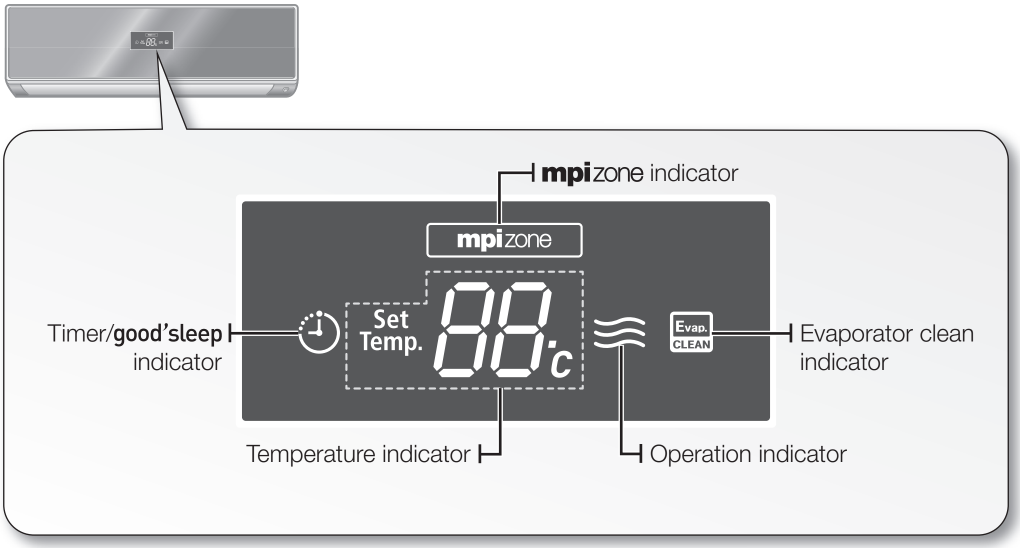
Carefully unpack your air conditioner, and check the unit to make sure it is not damaged.

Main parts


Air filter(under the panel)
Air intake
Digital display
Power ⏻ button
Blade pin lever
Air flow blade
Air flow blade

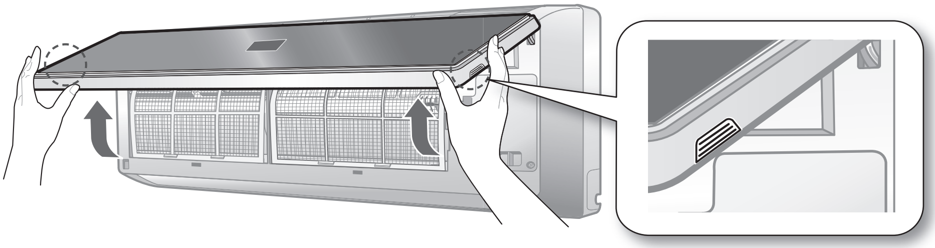
Your air conditioner may slightly look different from illustration shown above depending on your model.

Indoor unit digital display


mpizone indicator
mpizone
Timer/**good'sleep** indicator
Set Temp.
88°c
Evap. CLEAN
Evaporator clean indicator
Temperature indicator
Operation indicator

OPENING THE FRONT PANEL

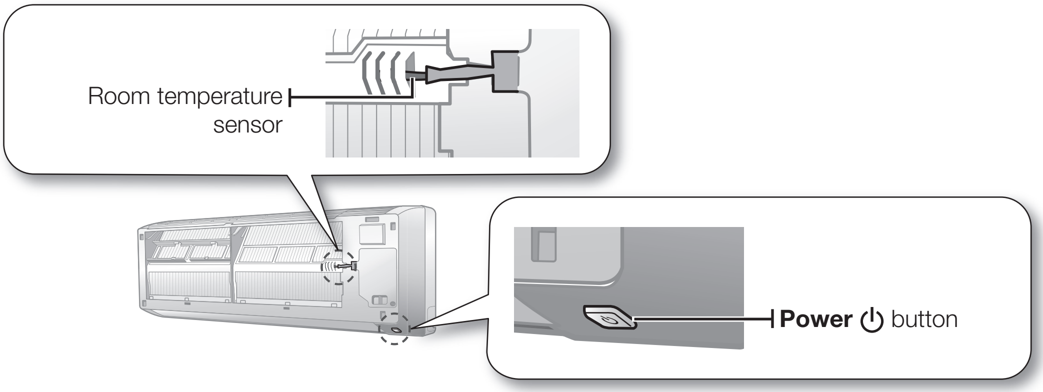
Tightly grab the grooved surface on both side of the front panel and lift the bottom side of the panel up until it gets locked in one position.



Power button and Room temperature sensor

You may locate the **Power ⏻** button on the right bottom side of the air conditioner. If the front panel is open, you can check the room temperature sensor.

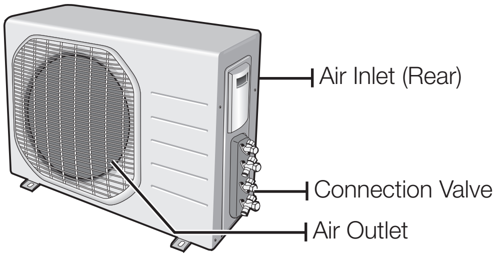
You can turn on the air conditioner without the remote control by pressing the **Power ⏻** button.
The room temperature sensor measures indoor room temperature.


Room temperature sensor
Power ⏻ button

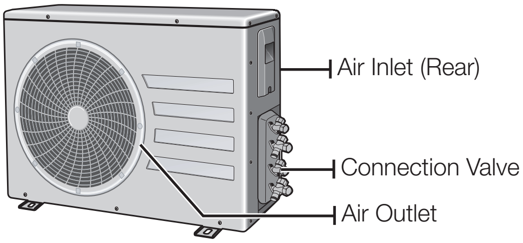
Front panel of your air conditioner is actually not detachable.

CHECKING THE OUTDOOR UNIT

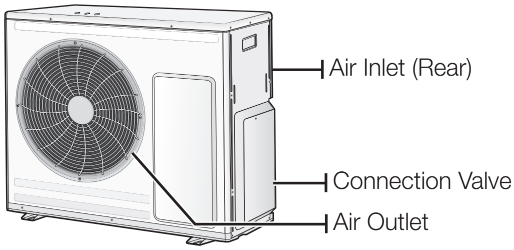
MH040FX✶A2✶


Air Inlet (Rear)
Connection Valve
Air Outlet

MH050FX✶A2✶


Air Inlet (Rear)
Connection Valve
Air Outlet

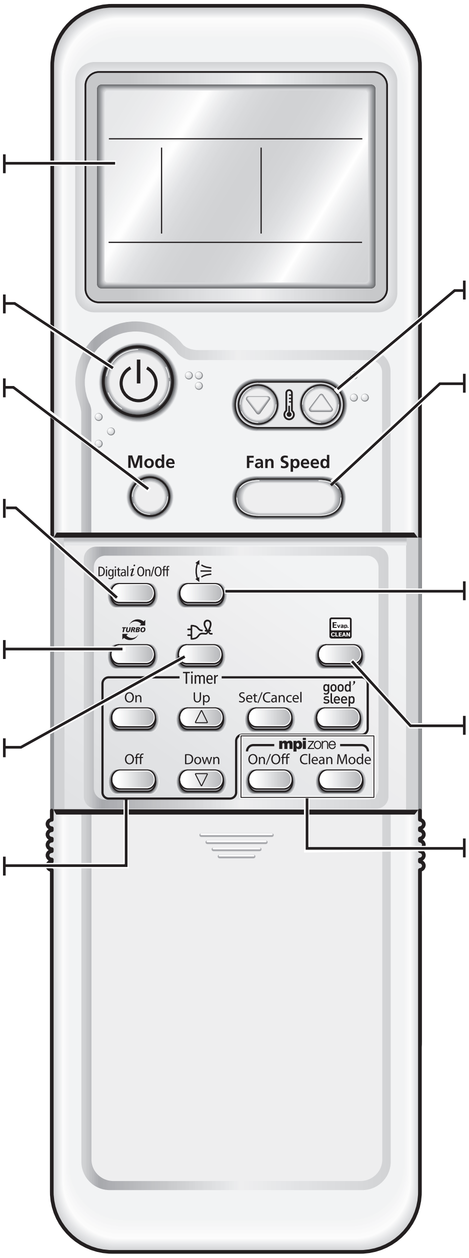
MH060FX✶A3B/MH070FX✶A4B/MH080FX✶A4B


Air Inlet (Rear)
Connection Valve
Air Outlet

viewing your air conditioner

CHECKING THE REMOTE CONTROL

You can activate the air conditioner by pointing the remote control away from it. When using the remote control, always point it directly at the air conditioner.



Remote control display

Power ⏻
Turn on/off the air conditioner.

Mode
Set one of the 5 operating modes.
(See pages 14~18 for instructions.)

Digital *i* On/Off
Set to turn on/off the digital display of the unit during operation. Operating mode indicator still remains on.

Turbo
Operate in maximum fan speed to cool/warm quickly.

Energy saving function
Less energy usage makes your space cool between the temperature range of 26°C~30°C.

Timer function

On/Off
Set the timer on/off.

Up/Down
Increase/Decrease the time.

Set/Cancel
Set/Cancel the current timer/**good' sleep** mode setting.

good' sleep
Set the **good' sleep** mode on/off.

Temperature ▼ ▲
Decrease/Increase the temperature by 1°C.

Fan speed
Adjust how much air flows through the air conditioner with the 4 different fan speeds such as Auto/Low/Medium/High.

Air swing
Activate/Deactivate air flow blade movement automatically up and down.

Evap. CLEAN
Evaporator clean function - Dry inside of the indoor unit to get rid of odor.

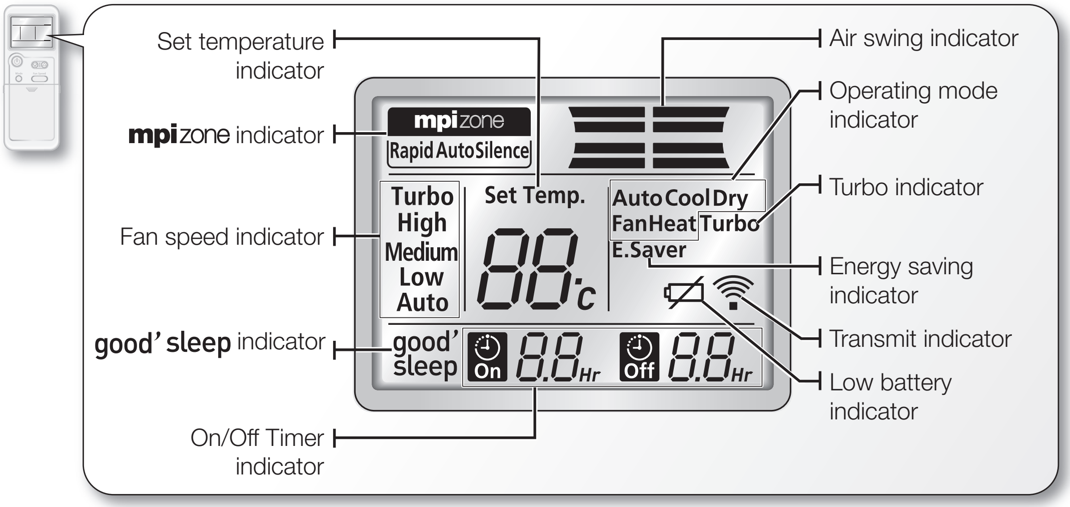
mpizone function

On/Off
Emit hydrogen(H) and oxygen(O_2) in the air to remove polluted substances such harmful particles.

Clean Mode
Set one of the 3 **mpi**zone operating types.

Each time you press the button, a short beep will sound and a transmit indicator appears on the remote control display.

Remote control display

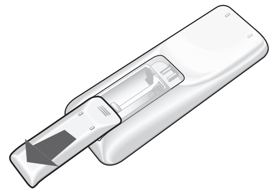

Set temperature indicator
mpizone indicator
Fan speed indicator
good' sleep indicator
On/Off Timer indicator
Air swing indicator
Operating mode indicator
Turbo indicator
Energy saving indicator
Transmit indicator
Low battery indicator
mpizone
Rapid Auto Silence
Turbo
High
Medium
Low
Auto
Set Temp.
88°C
Auto Cool Dry
Fan Heat Turbo
E.Saver
good' sleep
On
8.8 Hr
Off
8.8 Hr

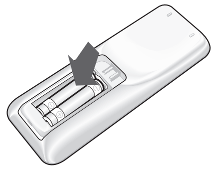
Using the remote control

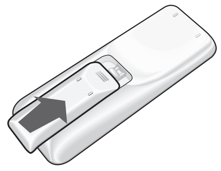
- Point the remote control towards the remote control sensor of the unit.
- When properly pressing the button on the remote control, you will hear beep sound from the unit.

- The signal may not be received well of electronic lighting style fluorescent lamps, such as inverter fluorescent lamps are in the same space.
- If other electrical products operate by the remote control, call your nearest contact center.

Installing the batteries







1. **Slide the cover, on the rear side of the remote control, down to open.**
2. **Install two AAA batteries.**
   Check and match the "+" and "-" signs accordingly. Make sure you have installed the batteries in correct position.
3. **Close the cover by sliding it back to its original position.**
   You should hear click sound when the cover is locked properly.

Correct disposal of batteries in this product

(Applicable in the European Union and other European countries with separate battery return systems.)

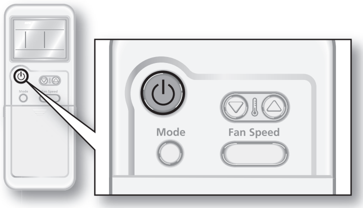
This marking on the battery, manual or packaging indicates that the batteries in this product should not be disposed of with other household waste at the end of their working life. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66. If batteries are not properly disposed of, these substances can cause harm to human health or the environment.

To protect natural resources and to promote material reuse, please separate batteries from other types of waste and recycle them through your local, free battery return system.

operating basic function

TURNING THE AIR CONDITIONER ON AND OFF

Press the **Power** ⏻ button on the remote control.



You will hear a ringing sound and the air flow blade will move up and down automatically when the air conditioner is properly on.
The air conditioner will operate in the most recent operation mode used or Auto mode.

When you turn off the air conditioner, air flow blade will stop moving and remain closed.

Turning on/off your air conditioner without the remote control.
You can operate your air conditioner by pressing the **Power** ⏻ button on the right bottom side of the air conditioner.

SELECTING OPERATION MODE

Auto

In Auto mode, the air conditioner will automatically set the temperature and fan speed depending on the room temperature detected by the room temperature sensor.

1. Turn on the air conditioner.

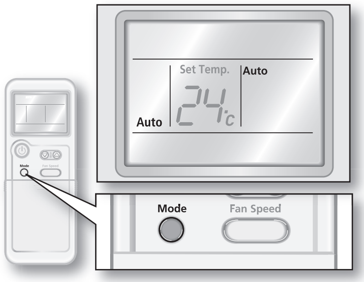
   Press the **Power** ⏻ button on the remote control.

2. Set the operating mode.

   Press the **Mode** button on the remote control until Auto mode and Auto fan speed indicator appear on the remote control display.

   The air conditioner will automatically set the operation mode to Cool or Heat depends on the room temperature.

   When you press the **Mode** button, mode will change in order of Auto, Cool, Dry, Fan and Heat.

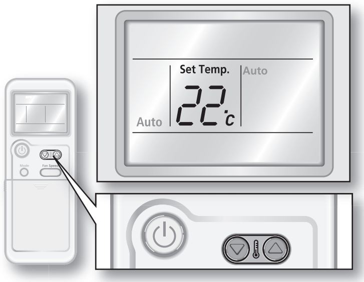


3. Set the Temperature.

   Press the **Temperature** ▼ or ▲ button on the remote control to decrease or increase the desired temperature.

   You can set the desired temperature between the range of 16˚C~30˚C.

   You can decrease/increase the temperature by 1˚C.



- When the air conditioner is already operating in another mode, press the **Mode** button until Auto mode indicator appears on the remote control display.
- When you are using the remote control, make sure correct indicator which matches your selection appears on the remote control display.
- Air flow can be adjusted manually.(See page 19 for instructions.)

Cool

In Cool mode, the air conditioner will cool your room. You can adjust the temperature and the fan speed to feel cooler in hot season.

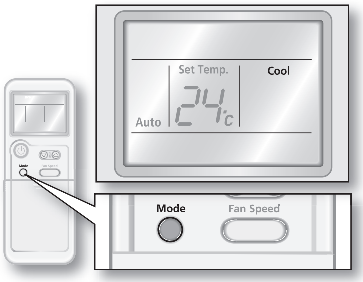
1. Turn on the air conditioner.

   Press the **Power** ⏻ button on the remote control.

2. Set the operating mode.

   Press the **Mode** button on the remote control until Cool mode indicator appears on the remote control display.

   The air conditioner operates in Cool mode and it will lower the temperature in your room.

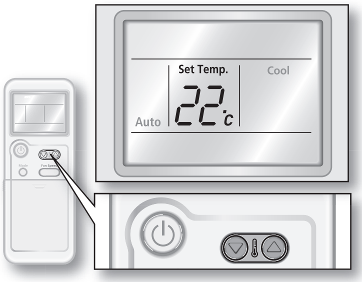


When you press the **Mode** button, mode will change in order of Auto, Cool, Dry, Fan and Heat.

3. Set the temperature.

   Press the **Temperature** ▼ or ▲ button on the remote control to decrease or increase the desired temperature.

   You can set the desired temperature between the range of 16˚C~30˚C.

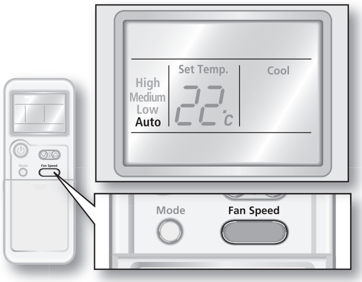


You can decrease/increase the temperature by 1˚C.

4. Set the fan speed.

   Press the **Fan Speed** button on the remote control to set the desired fan speed.

   If room temperature reaches desired value, the air conditioner will shut off cooling for a while and just the fan runs.



When you press the **Fan Speed** button, fan speed will change in order of Auto, Low, Medium and High.

- When you are using the remote control, make sure correct indicator which matches your selection appears on the remote control display.
- Air flow can be adjusted manually.(See page 19 for instructions.)
- If current outside temperatures are much higher than the selected indoor temperature, it may take time to bring the inner temperature to the desired coolness.

SELECTING OPERATION MODE

Dry

The air conditioner in Dry mode acts like a dehumidifier by removing moisture from the indoor air. Dry mode makes the air feel refreshing in a humid climate.

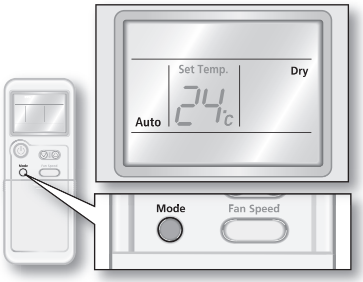
1. Turn on the air conditioner.

   Press the **Power** ⏻ button on the remote control.

2. Set the operating mode.

   Press the **Mode** button on the remote control until Dry mode indicator appears on the remote control display.

   The air conditioner operates in Dry mode and automatically adjusts the fan speed to Auto.

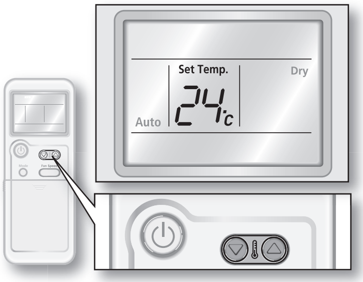


When you press the **Mode** button, mode will change in order of Auto, Cool, Dry, Fan and Heat.

3. Set the temperature.

   Press the **Temperature** ▼ or ▲ button on the remote control to decrease or increase the desired temperature.

   You can set the desired temperature between the range of 18˚C~30˚C.



You can decrease/increase the temperature by 1˚C.

- When you are using the remote control, make sure correct indicator which matches your selection appears on the remote control display.
- Air flow can be adjusted manually.(See page 19 for instructions.)

Fan

Fan mode can be selected to ventilate your room. Fan mode will be helpful to refresh the stale air in your room.

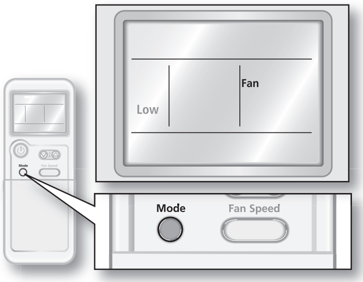
1. Turn on the air conditioner.

Press the **Power** ⏻ button on the remote control.

2. Set the operating mode.

Press the **Mode** button on the remote control until Fan mode indicator appears on the remote control display.

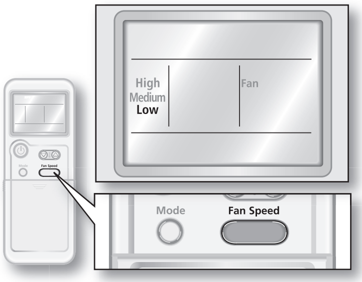
The air conditioner operates in Fan mode and automatically adjusts the temperature according to the current room temperature.



When you press the **Mode** button, mode will change in order of Auto, Cool, Dry, Fan and Heat.

3. Set the fan speed.

Press the **Fan Speed** button on the remote control to set the desired fan speed.



When you press the **Fan Speed** button, fan speed will change in order of Low, Medium and High.

- When you are using the remote control, make sure correct indicator which matches your selection appears on the remote control display.
- Air flow can be adjusted manually.(See page 19 for instructions.)

operating basic function

SELECTING OPERATION MODE

Heat

The air conditioner heats as well as cools. Warm your room with this versatile appliance in the cold of winter.

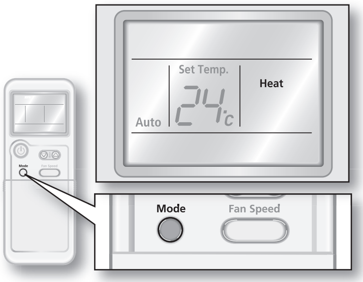
1. Turn on the air conditioner.

   Press the **Power** ⏻ button on the remote control.

2. Set the operating mode.

   Press the **Mode** button on the remote control until Heat mode indicator appears on the remote control display.
   The air conditioner operates in Heat mode and warms your room.

   When you press the **Mode** button, mode will change in order of Auto, Cool, Dry, Fan and Heat.

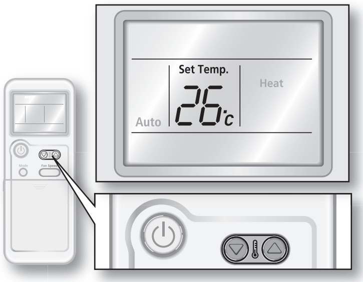


3. Set the temperature.

   Press the **Temperature** ▼ or ▲ button on the remote control to decrease or increase the desired temperature.

   You can set the desired temperature between the range of 16˚C~30˚C.

   You can decrease/increase the temperature by 1˚C.

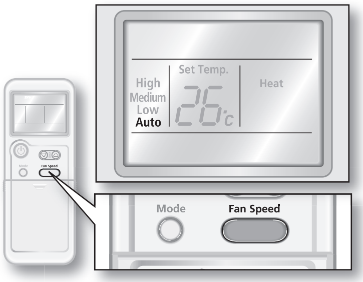


4. Set the fan speed.

   Press the **Fan Speed** button on the remote control to set the desired fan speed.

   If room temperature reaches desired value, heating will stop for a while.

   - When you press the **Fan Speed** button, fan speed will change in order of Auto, Low, Medium and High.
   - Fan may not operate for about 3~5 minutes at the beginning to prevent any cold blasts while the air conditioner is warming up.



- Air flow can be adjusted manually.(See page 19 for instructions.)
- Since the air conditioner heats the room by taking heat energy from outdoor air, the heating capacity may decrease when outdoor temperatures are extremely low. If you feel the air conditioner insufficiently heats, using an additional heating appliance in combination with the air conditioner is recommended.

ADJUSTING THE AIR FLOW DIRECTION

Air flow can be directed to your desired position.

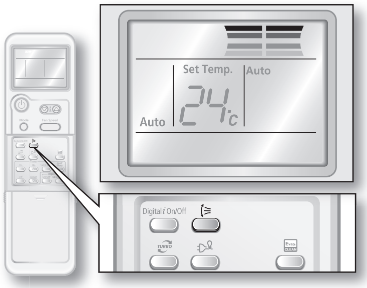
Vertical air flow

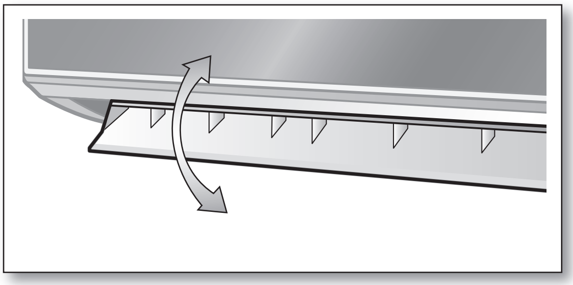
Air flow blades move up and down.

1. Press the **Air swing** ⇅ button on the remote control.

   Air swing indicator will be on and the number of indicator lights move up and down.
   Air flow blades move up and down continuously to circulate the air.

   To keep the air flow direction in a constant position, press the **Air swing** ⇅ button on the remote control again.

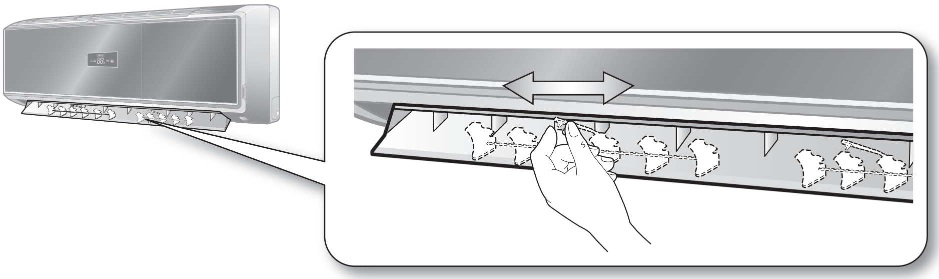




Horizontal air flow

Make sure one of the blade pins that stick out of the air flow blades are not broken.

1. Move the blade pin lever left or right to keep the air flow direction in a constant position you prefer.



⚠ CAUTION Be extremely careful with your fingers while adjusting the Horizontal air flow direction. There is a potential risk of personal injury when the unit is mishandled.

using advanced functions

USING THE TURBO FUNCTION

Turbo function will be helpful to cool or heat your room quickly and effectively by operating at the maximum fan speed for 30 minutes.

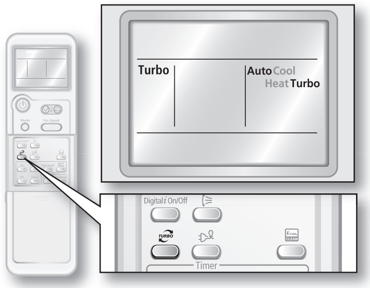
1. Turn on the air conditioner.

   Press the **Power** ⏻ button on the remote control.

2. Set the operating mode.

   Press the **Turbo** button on the remote control until Turbo indicator appears on the remote control display.

   The air conditioner operates in Turbo fan speed and automatically adjusts the temperature according to the current room temperature. The unit operates for 30 minutes and then operates in last used mode, or in Auto mode if Dry/Fan mode is most recent mode used.



Turbo function is only available in Auto/Cool/Heat mode.
If Turbo function is selected in Dry/Fan mode, operating mode changes to Auto.

To deactivate Turbo function

1. Press the **Turbo** button on the remote control again.

   The air conditioner operates in last used mode, or in Auto mode if Dry/Fan mode is most recent mode used.

- When you are using the remote control, make sure corresponding indicator appears on the remote control display.
- Temperature/Fan speed cannot be adjusted while using this function.
- Air flow can be adjusted manually.(See page 19 for instructions.)
- When the Turbo function is activated, pressing **Mode** button will automatically cancel the function.

SETTING TIMER

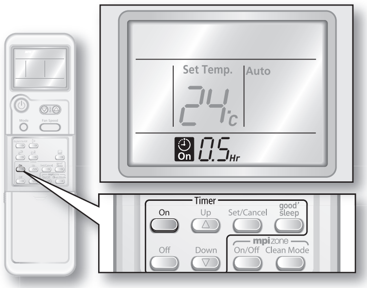
This advanced Timer function allows you to turn on/off your air conditioner automatically even when you are away. Simply set the time and your air conditioner will turn on/off automatically.

On timer

This function allows you to turn on the air conditioner automatically within the time range of 24 hours. On timer is available while your air conditioner is on/off.

1. Press the **On** button on the remote control.

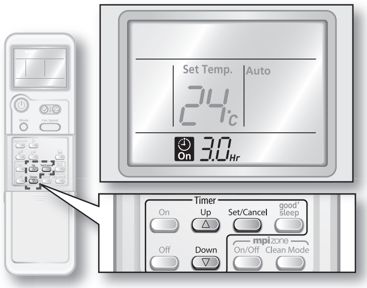
On timer indicator blinks on the remote control display.


Set Temp.
Auto
24°C
On 0.5Hr
Timer
On
Up
Set/Cancel
good' sleep
Off
Down
mpi zone
On/Off
Clean Mode

---

2. Set the time you want the air conditioner to turn on automatically.

Press the **Up** or **Down** button on the remote control to change the time setting while On timer indicator is blinking. You can set the time up to 24 hours, increasing in 30 minute unit up to first 3 hours and in hourly unit after first 3 hours.


Set Temp.
Auto
24°C
On 3.0Hr
Timer
On
Up
Set/Cancel
good' sleep
Off
Down
mpi zone
On/Off
Clean Mode

3. Press the **Set/Cancel** button on the remote control to active it on.

The remote control display will show the hour(s) you have set.
The air conditioner will operate automatically at set time and then On timer indicator disappears. If On timer is not set within 10 seconds, the air conditioner will end setting.

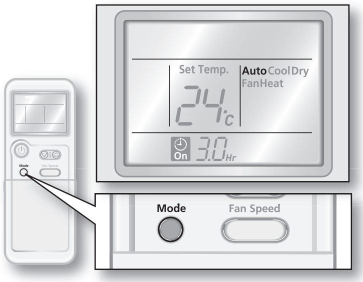
---

4. Set the operating mode.

Press the **Mode** button on the remote control until the desired mode appears on the remote control display.

The air conditioner will operate in the mode you set.

On timer function is available in Auto/Cool/Dry/Fan/Heat mode.


Set Temp.
Auto Cool Dry
Fan Heat
24°C
On 3.0Hr
Mode
Fan Speed

- Temperature can also be adjusted.(See step 3 on page 15 for instructions.)
- After the set up while the unit is off, approximately after 10 seconds, all the other indicators will be gone except the On timer indicator and remaining time.
- Setting time allows you to change by pressing the **On** button. Press the **Up** or **Down** button to change time setting and then press the **Set/Cancel** button to active it on.

To deactivate the On timer

1. Press the **Set/Cancel** button on the remote control.

On timer you set will be canceled and On timer indicator will disappear.

using advanced functions

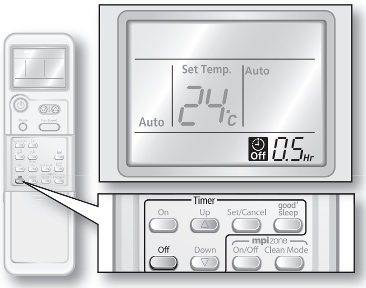
SETTING TIMER

Off timer

This function allows you to turn off the air conditioner automatically within the time range of 24 hours. Off timer is functional when the unit is operating.

1. Press the **Off** button on the remote control.

   Off timer indicator blinks on the remote control display.

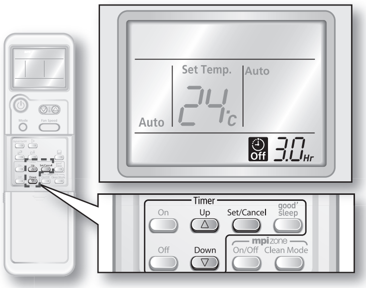

Set Temp.
Auto
Auto
24°c
Off
0.5Hr
Timer
On
Up
Set/Cancel
good' sleep
mpi zone
Off
Down
On/Off
Clean Mode

2. Set the time you want the air conditioner to turn off automatically.

   Press the **Up** or **Down** button on the remote control to change the time setting while Off timer indicator is blinking. You can set the time up to 24 hours, increasing in 30 minute unit up to first 3 hours and in hourly unit after first 3 hours.

3. Press the **Set/Cancel** button on the remote control to active it on.

   The remote control display will show the hour(s) you have set.
   The air conditioner will turn off automatically at set time and then Off timer indicator disappears. If Off timer is not set within 10 seconds, the air conditioner will end setting.


Set Temp.
Auto
Auto
24°c
Off
3.0Hr
Timer
On
Up
Set/Cancel
good' sleep
mpi zone
Off
Down
On/Off
Clean Mode

- Setting time allows you to change by pressing the **Off** button. Press the **Up** or **Down** button to change the time setting and then press the **Set/Cancel** button to active it on.
- You can combine Off timer function with On timer function to turn on and then off the air conditioner at the desired time.(See page 23 for instructions.)

To deactivate the Off timer

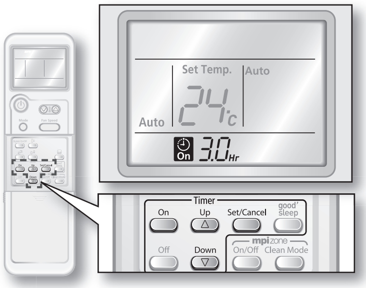
1. Press the **Set/Cancel** button on the remote control.

   Off timer you set will be canceled and Off timer indicator will disappear.

Combining On timer and Off timer

You can combine the On timer and Off timer together for more convenient use of the timer function.

1. Set the On timer.
   Press the **On** button.
   Set the time with **Up** and **Down** button.
   Press **Set/Cancel** button to activate the On timer.


Set Temp.
Auto
Auto
24°C
On 3.0Hr
Timer
On
Up
Set/Cancel
good' sleep
Off
Down
mpi zone
On/Off
Clean Mode

See page 21 for more detail instructions on setting On timer.

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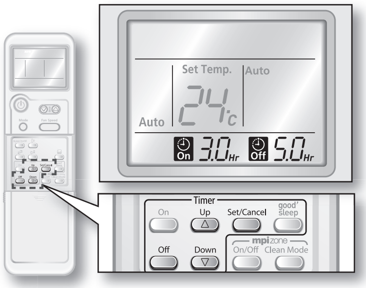
2. Set the Off timer.
   Press the **Off** button.
   Set the time with **Up** and **Down** button.
   Press **Set/Cancel** button to activate the Off timer.

   When you set the time, there can be two possible options:

   On timer is shorter than Off timer

   The air conditioner will turn on and then off automatically. Set up should be done while the air conditioner is off.

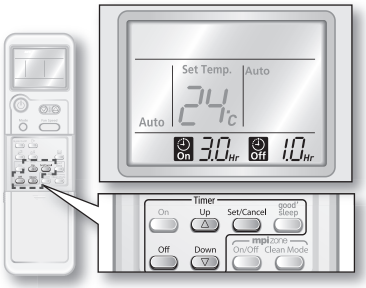
   For example, If the On timer is set at 3 hours and the Off timer at 5 hours, the air conditioner will turn off automatically 3 hours after the set time and then operate for next 2 hours before turning off automatically.


Set Temp.
Auto
Auto
24°C
On 3.0Hr
Off 5.0Hr
Timer
On
Up
Set/Cancel
good' sleep
Off
Down
mpi zone
On/Off
Clean Mode

   On timer is longer than Off timer

   The air conditioner will turn off and then on automatically. Set up should be done while the air conditioner is operating.

   For example, If the On timer is set at 3 hours and the Off timer at 1 hour, the air conditioner will turn off automatically an hour after the set time and remain off for 2 hours before turning on automatically.


Set Temp.
Auto
Auto
24°C
On 3.0Hr
Off 1.0Hr
Timer
On
Up
Set/Cancel
good' sleep
Off
Down
mpi zone
On/Off
Clean Mode

See page 22 for more detail instructions on setting Off timer.

To deactivate the timer combination

1. Press the **Set/Cancel** button on the remote control.

   Both of the On and Off timer will be canceled and the indicators will disappear.

using advanced functions

SETTING TIMER

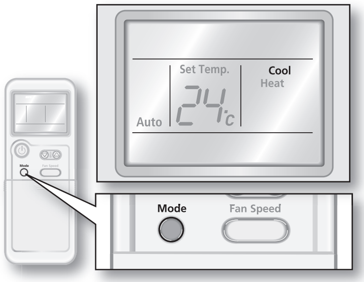
good’ sleep mode

good’ sleep mode allows you to set a comfortable sleep temperature while saving energy and having sound sleep. **good’ sleep** mode can be set up when the air conditioner is on.

1. Set the operating mode.

Press the **Mode** button on the remote control until Cool/ Heat appears on the remote control display.

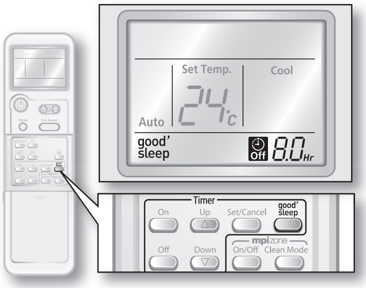
good’ sleep is only available in Cool/Heat mode.


Set Temp.
Cool
Heat
Auto
24°C
Mode
Fan Speed

---

2. Press the **good’ sleep** button on the remote control.

good’ sleep indicator appears and Off timer indicator starts blinking on the remote control display.

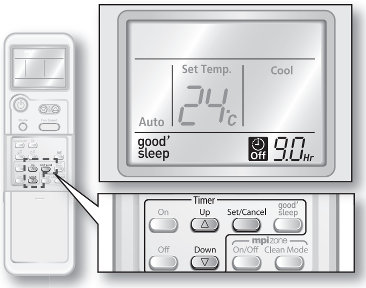

Set Temp.
Cool
Auto
24°C
good’ sleep
Off 8.0Hr
Timer
On
Up
Set/Cancel
good’ sleep
Off
Down
mpi zone
On/Off
Clean Mode

---

3. Set the length of time you want the air conditioner to stay on.

Default **good’ sleep** time is set to 8 hours. Press the **Up** or **Down** button on the remote control to change the time setting while Off timer indicator is blinking.

You can set the time up to 12 hours, increasing in 30 minute unit up to first 3 hours and in hourly unit after first 3 hours.


Set Temp.
Cool
Auto
24°C
good’ sleep
Off 9.0Hr
Timer
On
Up
Set/Cancel
good’ sleep
Off
Down
mpi zone
On/Off
Clean Mode

4. Press the **Set/Cancel** button on the remote control to active it on.

The remote control display will show the hour(s) you have set.
When the set time has elapsed, the air conditioner will automatically turn off and then **good’ sleep** indicator disappears.
If **good’ sleep** mode is not set within 10 seconds, the air conditioner will end setting.

- Temperature/Fan speed/Air swing can be adjusted after setting **good’ sleep** in Heat mode.
- Temperature can be adjusted and the air conditioner automatically adjusts the Fan speed/Air swing after setting **good’ sleep** in Cool mode.

Temperature changes in good' sleep mode

To prevent excessive cooling/heating during sleep, the **good' sleep** mode automatically modifies the temperature setting in accordance with the time setting. Temperature and air current change according to the three stages; Fall asleep, Sound sleep, and Wake up from **good' sleep** mode, and then the air conditioner will automatically turn off when the set time has elapsed.

Three stage **good' sleep** prevents you from having difficulty sleeping in summer/winter night.

① **Fall asleep** : Eases you into sleep by dropping the temperature.
② **Sound sleep** : Relaxes your body and raises your temperature slightly.
③ **Wake up from good' sleep mode** :
Allows you to wake up from comfortable intermittent air and it makes you feel refresh.

- Set Off timer in **good' sleep** mode over 5 hours. You feel disturbed sleep if the **good' sleep** is set too short or long because the default is set to 8-hour-operation.
- If the **good' sleep** mode is set less than 4 hours, the operation will stop at the set time. If the **good' sleep** mode is set over 5 hours, it will run as Wake up stage for the last one hour before stop.
- Recommended set temperature is between 25°C~27°C for cooling and 21°C~23°C for heating.

To deactivate good' sleep mode

1. Press the **Set/Cancel** button on the remote control.

   good' sleep mode you set will be canceled and **good' sleep** indicator will disappear.

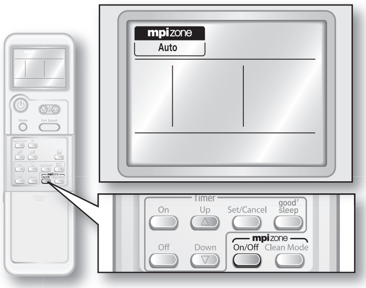
using advanced functions

USING THE **mpi**zone FUNCTION

MPI, Micro Plasma Ion, zone generates hydrogen(H) and oxygen(O_2) to remove a polluted substance and decomposition of such harmful particles. It makes you breathe better as if you were staying around waterfalls, ocean surf, rivers and mountains. **mpi**zone indicator on the indoor unit will fade in and fade out continuously when the **mpi**zone function is activated.

1. Press the **mpi**zone **On/Off** button on the remote control while the air conditioner off.
   mpizone indicator will appear on the remote control display.

   The air conditioner generates MPI in **mpi**zone Auto mode.

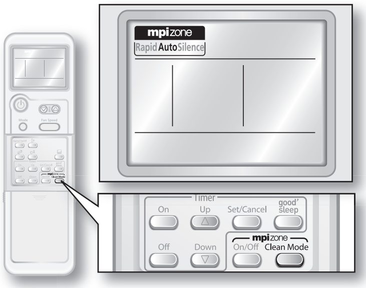

mpizone
Auto
Timer
On
Up
Set/Cancel
good' sleep
Off
Down
mpizone
On/Off
Clean Mode

---

2. Set the operating type.

   Each time you press the **Clean Mode** button while the air conditioner is off, the operating type will change in order of Auto, Silence and Rapid.

   Auto : adjust the fan speed automatically.
   Silence : operate at a minimum fan speed quietly.
   Rapid : operate at a maximum fan speed to clean and purifies the air effectively and quickly.


mpizone
Rapid Auto Silence
Timer
On
Up
Set/Cancel
good' sleep
Off
Down
mpizone
On/Off
Clean Mode

The **Clean Mode** button will not work while the air conditioner is on.

When you activate the **mpi**zone function while the air conditioner is on, **mpi**zone function automatically sets to Auto.

To deactivate **mpi**zone mode

1. Press the **mpi**zone **On/Off** button on the remote control.

   mpizone mode you set will be canceled and blue light will turn off.

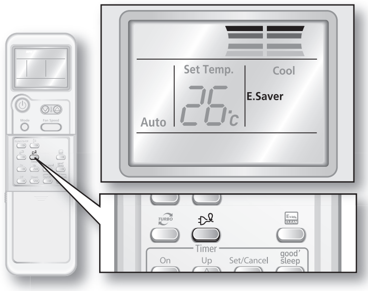
USING THE ENERGY SAVING FUNCTION

This function will set the temperature range limit to help you save energy while the air conditioner is operating in Cool mode.

1. Press the **Energy saving** button on the remote control while the air conditioner is operating in Cool mode.

   E.Saver indicator and air swing indicator appear automatically on the remote control display.
   The air flow blades move up and down.

   If the current set temperature is lower than 26˚C, it will automatically raise to 26˚C.



- Energy saving function is only available in Cool mode.
- When Energy saving function is activated, temperature range will be limited to 26˚C~30˚C.
- If the desired temperature is lower than 26˚C, turn off the energy saving function by pressing the **Energy saving** button again.
- Temperature/Fan speed can also be adjusted.(See step 3~4 on page 15 for instructions.)
- Air flow can be adjusted manually.(See page 19 for instructions.)

To deactivate the Energy saving function

1. Press the **Energy saving** button on the remote control.

   Energy saving function you set will be canceled and Energy saving indicator will disappear on the remote control display.

using advanced functions

USING THE EVAPORATOR CLEAN FUNCTION

Evaporator clean function will prevent from growing mold by eliminating the moisture inside of the indoor unit. Your indoor unit evaporates the moisture inside of the unit. Activate this function to provide you with more clean and healthier air.

1. Press the **Evap. CLEAN** Evap. CLEAN button.

    ▶ When the air conditioner is turned off,
    The Evaporator clean indicator on the indoor unit display appears and the Evaporator cleaning function runs.

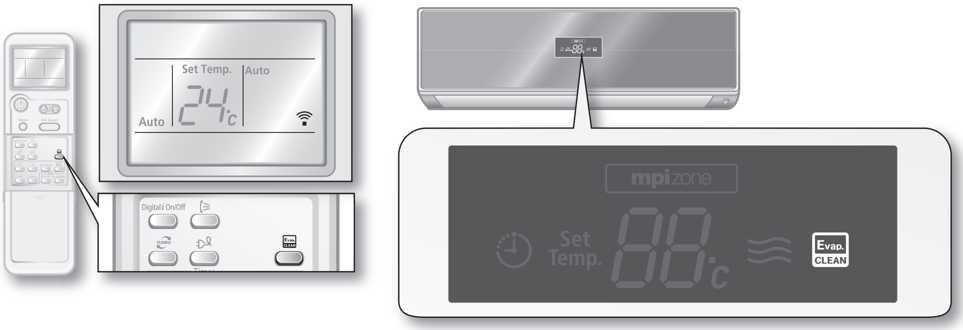
    ▶ When the air conditioner is turned on,
    The Evaporator clean indicator on the indoor unit display appears and the Evaporator cleaning function runs after stopping the air conditioner operation.

    Evaporator Cleaning time can vary, depending on the previously used mode.

    Auto(cool), Cool, Dry mode : approximately 30 minutes.

    Auto(heat), Heat, Fan mode : approximately 15 minutes.

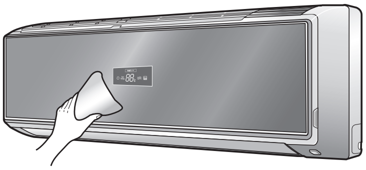
When the air conditioner is turned on, the Auto cleaning function runs after stopping the air conditioner operation.



cleaning and maintaining the air conditioner

CLEANING THE EXTERIOR

1. Wipe the surface of the unit with a slightly wet or dry cloth when needed.



⚠ CAUTION Do not use Benzene, Thinner or Clorox^{TM}. They may damage the surface of the air conditioner and can create a risk of fire.

CLEANING THE FILTER

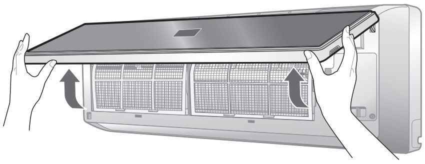
When cleaning the filter, make sure to unplug the power from the unit. No special tools are needed to clean it.

Air filter

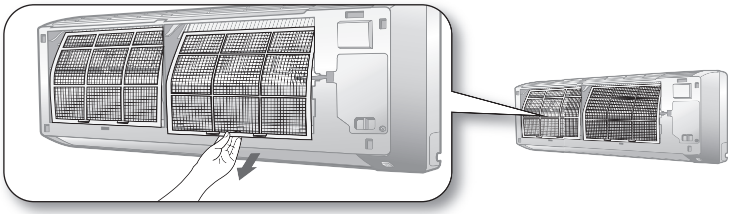
Washable foam based air filter captures large particles from the air. The filter is cleaned with a vacuum or by hand washing.

1. Open the front panel.

   Tightly grab the grooved surface on both side of the front panel and lift the bottom side of the panel up until it gets locked.

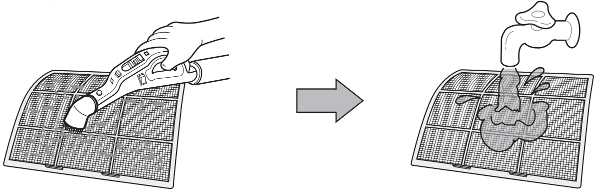


2. Grab the handle and lift it up. Then, pull the Air filter towards you and slide it down.



Front panel of your air conditioner is actually not detachable.

3. Clean the Air filter with a vacuum cleaner or soft brush. If dust is too heavy, then rinse it with running water and dry it in a ventilated area.



- For the best conditions, repeat every two weeks.
- If the Air filter dries in a confined(or humid) area, odors may generate. If it occurs, re-clean and dry it in a well-ventilated area.

4. Insert the Air filter back in its original position.
5. Close the front panel.

   Grab the side of the front panel tightly and push it downward.

cleaning and maintaining the air conditioner

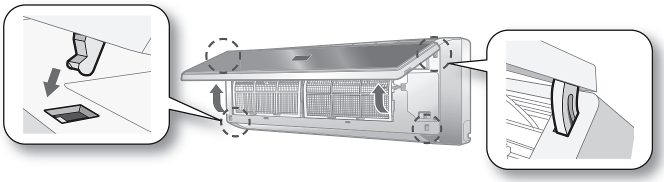
CLEANING THE FILTER

Bio filter

Washable foam based Bio filter leads to reduction in allergens that thrive in polluted air.
The filter is cleaned with a vacuum or by hand washing.

1. Open the front panel.

Tightly grab front side of the front panel and lift up the panel to open.
Then slightly push the panel up until the panel is hanged over the hooks of the unit.



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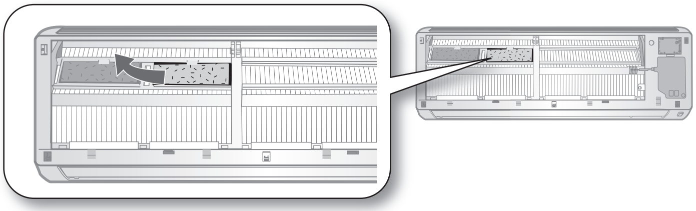
2. Remove the Air filter.

Grab the handle and lift it up. Then, pull the Air filter towards you and slide it down.

3. Slide the Bio filter(sky-blue) out to remove it from the slot.



Bio filter can be placed in any 4 slots beneath the air filter.

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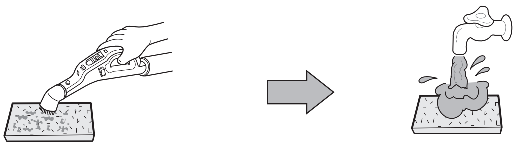
4. Clean the Bio filter with a vacuum cleaner or soft brush. Then rinse it with running water and dry it in a ventilated area.



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5. Install the Bio filter back in position.

6. Close the front panel.

Clean the Bio filter every 3 months. The cleaning term may differ on usage and environmental conditions.

REPLACING THE FILTER

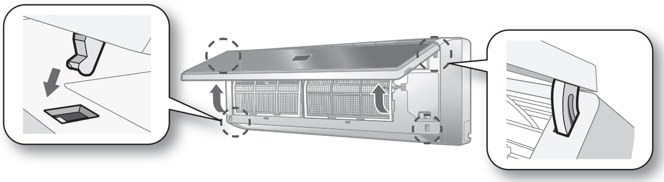
Replacement filter may be purchased from the retail store or ordered from the dealer where you purchased the unit. If you cannot find one, please call a contact center.

Deodorizing filter

Deodorizing filter absorbs efficiently cigarette smoke, pet odors and other unpleasant smells. Deodorizing filter cleaning is simple, just remove old filter and install a new one.

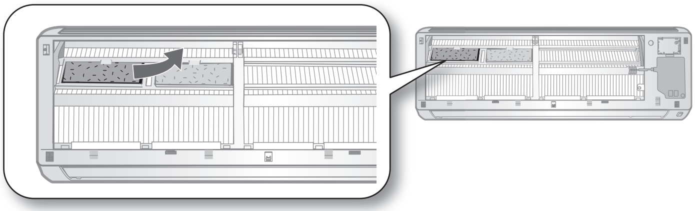
1. Open the front panel.

   Tightly grab the grooved surface on both side of the front panel and lift the bottom side of the panel up until it gets locked.



2. Remove the Air filter.

   Grab the handle and lift it up. Then, pull the Air filter towards you and slide it down.
3. Slide the Deodorizing filter(color in black) out to remove it from the slot.



- Deodorizing filter can be placed in any 4 slots beneath the air filter.
- Front panel of your air conditioner is actually not detachable.

4. Install the new Deodorizing filter back in position.
5. Close the front panel.

   Grab the side of the front panel tightly and push it downward.

- The replacement timing of the Deodorizing filter differs depending on usage and environmental conditions.
- Even if Deodorizing and Bio filters are installed in an inverted position, it will not affect its filtration system.

cleaning and maintaining the air conditioner

MAINTAINING YOUR AIR CONDITIONER

If the air conditioner will not be used for an extended period of time, dry the air conditioner to maintain it in best condition.

1. Dry the air conditioner thoroughly by operating in Fan mode for 3 to 4 hours and disconnect the power plug. There may be internal damage if moisture is left in components.
2. Before using the air conditioner again, dry the inner components of the air conditioner again by running in Fan mode for 3 to 4 hours. This helps remove odors which may have generated from dampness.

Periodical checks

Refer to the following chart to maintain the air conditioner properly.

Type	Description	Monthly	Every 4 months	Once a year
Indoor unit	Clean the air filter (1)	●		
	Clean the condensate drain pan (2)			●
	Thoroughly clean the heat exchanger (2)			●
	Clean the condensate drain pipe (2)		●	
	Replace the remote control batteries (1)			●
Outdoor unit	Clean the heat exchanger on the outside of the unit (2)		●	
	Clean the heat exchanger on the inside of the unit (2)			●
	Clean the electric components with jets of air (2)			●
	Verify that all the electric components are firmly tightened (2)			●
	Clean the fan (2)			●
	Verify that all the fan assembly is firmly tightened (2)			●
	Clean the condensate drain pan (2)			●

The checks and maintenance operations described are essential to guarantee the efficiency of the air conditioner. The frequency of these operations varies according to the characteristics of the area, the amount of dust, etc.

(1) The described operations should be performed more frequently if the area of installation is very dusty.

(2) These operations must always be performed by qualified personnel. For more detailed information, see the Installation Manual.

Internal protections via the unit control system

This internal protection operates if an internal fault occurs in the air conditioner.

Type	Description
Against cold air	The internal fan will be off to against cold air when the heat pump is heating.
De-ice cycle	The internal fan will be off to against cold air when the heat pump is heating.
Anti-protection of internal battery	The compressor will be off to protect internal battery when the air conditioner operates in Cool mode.
Protect compressor	The air conditioner does not start operating immediately to protect the compressor of the outdoor unit after it has been started.

If the heat pump is operating in Heat mode, De-ice cycle is actuated to remove frost from an outdoor unit that may have deposited at low temperatures.

The internal fan is switched off automatically and restarted only after the de-ice cycle is completed.

appendix

TROUBLESHOOTING

Refer to the following chart if the air conditioner operates abnormally. This may save time and unnecessary expenses.

PROBLEM	SOLUTION
The air conditioner does not operate immediately after it has been restarted.	• Because of the protective mechanism, the appliance does not start operating immediately to keep the unit from overloading. The air conditioner will start in 3 minutes.
The air conditioner does not work at all.	• Check that the power plug is properly connected. Insert the power plug into the wall socket correctly. • Check if the circuit breaker is switched off. • Check if there is a power failure. • Check your fuse. Make sure it is not blown out.
The temperature does not change.	• Check if you selected Fan mode. Press the **Mode** button on the remote control to select another mode.
The cool(warm) air does not come out of the air conditioner.	• Check if the set temperature is higher(lower) than the current temperature. Press the **Temperature** ▼ or ▲ button on the remote control to change the set temperature. Press the **Temperature** ▼ or ▲ button to decrease or increase the temperature. • Check if the air filter is blocked by dirt. Clean the Air filter every two weeks. • Check if the air conditioner has just been turned on. If so, wait 3 minutes.
The fan speed does not change.	• Check if you selected Auto or Dry mode. The air conditioner automatically adjusts the fan speed to Auto in Auto/Dry mode.
Timer function does not set.	• Check if you press the **Set/Cancel** button on the remote control after you have set the time.
Odors permeate in the room during operation.	• Check if the appliance is running in a smoky area or if there is a smell entering from outside. Operate the air conditioner in Fan mode or open the windows to air out the room.
The air conditioner makes a bubbling sound.	• A bubbling sound may be heard when the refrigerant is circulating through the compressor. Let the air conditioner operate in a selected mode.
Water is dripping from the air flow blades.	• Check if the air conditioner has been cooling for an extended period of time with the air flow blades pointed downwards. Condensation may generate due to the difference in temperature.
Remote control is not working.	• Check if your batteries are depleted. • Make sure batteries are correctly installed. • Make sure nothing is blocking your remote control sensor. • Check that there are strong lighting apparatus near the air conditioner. Strong light which comes from fluorescent bulbs or neon signs may interrupt the electric waves.

OPERATION RANGES

The table below indicates the temperature and humidity ranges the air conditioner can be operated within. Refer to the table for efficient use.

MODE	OPERATIONAL TEMPERATURE		INDOOR HUMIDITY	IF OUT OF CONDITIONS
	INDOOR	OUTDOOR		
COOLING	16˚C to 32˚C	-5˚C to 43˚	80% or less	Condensation may occur on the indoor unit with risk to have either water blow off or drops on the floor.
HEATING	27˚C or less	-15˚C to 24˚C	-	Internal protection triggers and the air conditioner will stop.
DRYING	16˚C to 32˚C	-5˚C to 43˚C	-	Condensation may occur on the indoor unit with risk to have either water blow off or drops on the floor.

The standardized temperature for heating is 7˚C. If the outdoor temperature drops to 0˚C or below, the heating capacity can be reduced depending on the temperature condition.
If the cooling operation is used at over 32˚C(indoor temperature), it does not cool at its full capacity.

QUESTIONS OR COMMENTS?

COUNTRY	CALL	OR VISIT US ONLINE AT
AUSTRIA	0810 - SAMSUNG (7267864, € 0.07/min)	www.samsung.com
BELGIUM	02-201-24-18	www.samsung.com/be (Dutch) www.samsung.com/be_fr (French)
CZECH	800 - SAMSUNG (800-726786)	www.samsung.com
DENMARK	70 70 19 70	www.samsung.com
FINLAND	030 - 6227 515	www.samsung.com
FRANCE	01 48 63 00 00	www.samsung.com
GERMANY	01805 - SAMSUNG(726-7864 € 0,14/Min)	www.samsung.com
HUNGARY	06-80-SAMSUNG(726-7864)	www.samsung.com
ITALIA	800-SAMSUNG(726-7864)	www.samsung.com
LUXEMBURG	261 03 710	www.samsung.com
NETHERLANDS	0900-SAMSUNG (0900-7267864) (€ 0,10/Min)	www.samsung.com
NORWAY	815-56 480	www.samsung.com
POLAND	0 801 1SAMSUNG(172678) 022-607-93-33	www.samsung.com
PORTUGAL	80820-SAMSUNG(726-7864)	www.samsung.com
SLOVAKIA	0800-SAMSUNG(726-7864)	www.samsung.com
SPAIN	902 - 1 - SAMSUNG (902 172 678)	www.samsung.com
SWEDEN	0771 726 7864 (SAMSUNG)	www.samsung.com
U.K	0845 SAMSUNG (7267864)	www.samsung.com
EIRE	0818 717100	www.samsung.com
SWITZERLAND	0848 - SAMSUNG(7267864, CHF 0.08/min)	www.samsung.com/ch www.samsung.com/ch_fr/(French)
LITHUANIA	8-800-77777	www.samsung.com
LATVIA	8000-7267	www.samsung.com
ESTONIA	800-7267	www.samsung.com
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Air Conditioner

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